# Introduction

# Terminology

## Platform

## Deployment

## Message

## Network

## Topic

# "cloud" side

(may be separate or consolidated)

## Platform

## UI

## Coordinator link

# "deployment" side

## Devices and roles

### Base device

### Aggregator

### Sensor

### Actuator/controller

### Broker

### Coordinator

## Commander

# Message Structure

## MQTT - and portability

### Uppercase from Platform

### Lower case to(wards) platform

## Coordinator specific messages

## Minimal size & maximum scalability

## Topic hierarchy

## Shared context (platform and device share config)

## No wildcards

# Control messages

## Coordinator sync: Z Topic

## Device Config: C Topic

## Health Messages: H Topic

## Error Messages: E Topic

# Operational Messages

## Sensor Readings: S Topic

## Execution commands: X Topic

## Aggregation Results: A topic

## Message brokering: B Topic

# Use cases

## Onboarding a device

## Data aggregation

### Excluding "raw" data

### Including "raw" data

## Command execution from platform

## Command execution from commander

## Updating "health" statistics

## "Balancing" a deployment

## Restoration in the event of a platform failure